

# Converting Colors

CIELCh(65, 5.213, 337.172)

Have a look what the booklet for  
CIELCh(65, 5.213, 337.172) contains.

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# Color

**CIELCh(65, 5.099, 339.014)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A59BA1
RGB	165, 155, 161
RGB Percent	65%, 61%, 63%
CMY	0.3527, 0.3919, 0.3684
CMYK	0.00, 0.06, 0.02, 0.35
HSL	324°, 5%, 63%
HSV	324°, 6%, 65%
XYZ	33.7027, 34.0472, 38.5449
YIQ	158.6740, 4.0340, 3.9860

# Conversions

## Conversions Part 2

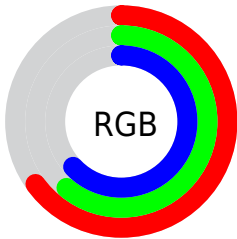
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 155, 161
Decimal	10853281
CIELab	65.00, 4.76, -1.83
CIElCh	65, 5.099, 339.014
Yxy	34.0472, 0.3171, 0.3203
Android (android.graphics.Color)	4289043361 (0xFFA59BA1)
YUV	158.6740, 1.1467, 5.5479
Hunter-Lab	58.3500, 0.9886, 1.6790

# Details

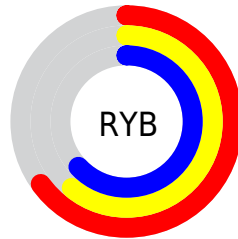
The CIELCh color  $65, 5.099, 339.014$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $67, 5.064, 158.253$ , and the grayscale version is  $65, 0.008, 296.813$ .

A 20% lighter version of the original color is  $85, 5.451, 337.267$ , and  $45, 5.161, 336.151$  is the 20% darker color. If you saturate the color by 10%, you get  $61, 13.631, 339.837$ , and if you desaturate by 10%, it is  $70, 3.267, 158.461$ .

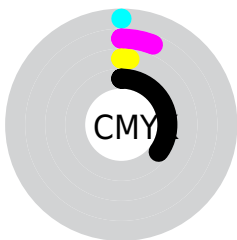
# Distribution



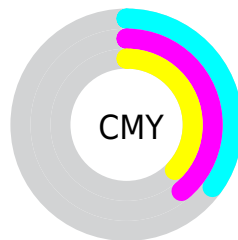
- Red (65%)
- Green (61%)
- Blue (63%)



- Red (65%)
- Yellow (61%)
- Blue (63%)



- Cyan (0%)
- Magenta (6%)
- Yellow (2%)
- Black (35%)



- Cyan (35%)
- Magenta (39%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 5.099, 339.014 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 65, 5.099, 339.014 by changing the saturation by 10% instead.



65, 5.099, 339.014

65, 5.099, 339.014

100, 5.099,  
339.014

55, 5.099, 339.014

85, 5.099, 339.014

45, 5.099, 339.014

95, 5.099, 339.014

35, 5.099, 339.014

25, 5.099, 339.014

15, 5.099, 339.014

5, 5.099, 339.014

0, 5.099, 339.014

65, 5.099, 339.014

65, 5.099, 339.014

61, 13.631,

70, 3.267, 158.461

339.837

74, 11.406,  
157.722

56, 22.237,  
340.695

79, 19.296,  
157.088

52, 30.759,  
341.634

84, 26.928,  
156.502

48, 38.962,  
342.681

88, 34.309,  
155.955

45, 46.525,  
343.874

93, 41.448,  
155.445

42, 53.051,  
345.269

93, 39.558,  
158.684

39, 58.120,  
346.944

94, 37.282,  
162.534

37, 61.396,  
349.002

94, 35.161,  
166.843

36, 62.821,  
351.551



# Harmonies

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



65, 5.099, 339.014



67, 5.064, 158.253

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65, 5.099, 339.014



65, 5.099, 29.014



65, 5.099, 159.014



65, 5.099, 209.014

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



65, 5.097, 339.019



85, 2.076, 338.598



65, 5.792, 305.783



45, 1.178, 338.578



93, 0.011, 296.813



45, 0.006, 296.813





# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



65, 5.097, 339.019



82, 7.289, 339.109



65, 3.910, 11.514



33, 3.777, 339.132



31, 57.679, 352.263



1, 7.012, 341.352



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



65, 5.097, 339.019



82, 7.289, 339.109



67, 3.792, 190.814



33, 3.777, 339.132



31, 57.679, 352.263



1, 7.012, 341.352



# Previews

## White Background



This preview shows how the CIELCh color 65, 5.099, 339.014 looks on a white background.

## Color Contrast Check

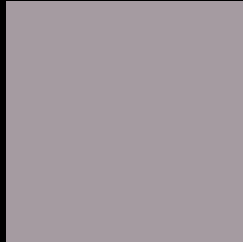
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 65, 5.099, 339.014 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

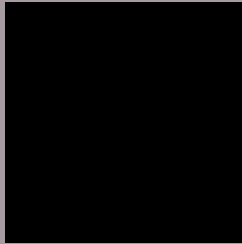
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

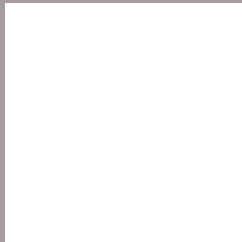
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 65, 5.099, 339.014

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 5.099, 339.014.



This preview shows how white text looks on a background with the CIELCh color 65, 5.099, 339.014.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

65, 5.099, 339.014

### Protanopia

65, 2.896, 305.624

### Deuteranopia

65, 8.548, 344.479





**Tritanopia**  
65, 8.112, 324.803

# Trichromacy



**Original Color**  
65, 5.099, 339.014

**Protanomaly**  
65, 3.863, 319.915

**Deuteranomaly**  
65, 7.288, 342.555

**Tritanomaly**  
65, 7.228, 329.783

# Monochromacy



**Original Color**  
65, 5.099, 339.014

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
65, 1.609, 335.608

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 5.099, 339.014 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(165, 155, 161)` looks like.

```
.text, #text, p{  
    color:rgb(165, 155, 161)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(165, 155, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 155, 161) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 5.099, 339.014 is called "border". The border property can be set on classes, ids or directly on the HTML element.

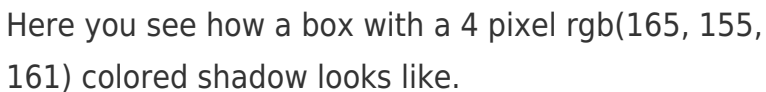
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 155, 161) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(165, 155, 161) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(165, 155, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 155, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 155, 161); box-shadow:4px 4px 4px 4px rgb(165, 155, 161) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 5.099, 339.014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 155, 161) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(165,  
155, 161) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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